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DATE: Friday, May 26, 2006

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		<i>DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	((e adj2 c adj2 2.3.1.74) or flavanone synthase or flavanone synthetase or chalcone synthase or chalcone synthetase or anthocyanidin synthase) same crystal\$9 and (alfalfa or sativa)	5
		<i>DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	((e adj2 c adj2 2.3.1.74) or flavanone synthase or flavanone synthetase or chalcone synthase or chalcone synthetase or anthocyanidin synthase) same crystal\$9 and (alfalfa or sativa)	11
<input type="checkbox"/>	L1	((e adj2 c adj2 2.3.1.74) or flavanone synthase or flavanone synthetase or chalcone synthase or chalcone synthetase or anthocyanidin synthase) same crystal\$9 and (alfalfa or sativa)	11

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 7022897 B2

Using default format because multiple data bases are involved.

L2: Entry 1 of 11

File: USPT

Apr 4, 2006

US-PAT-NO: 7022897

DOCUMENT-IDENTIFIER: US 7022897 B2

TITLE: Polynucleotides encoding .DELTA.-endotoxins toxic to lepidoptera and coleoptera, and method of use

DATE-ISSUED: April 4, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030068335 A1

April 10, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Mettus; Anne-Marie Light

Feasterville

PA

US

Baum; James A.

Doylestown

PA

US

US-CL-CURRENT: 800/302; 424/93.2, 435/252.3, 435/252.31, 435/320.1, 435/418, 435/71.1, 536/23.71, 800/260, 800/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 2. Document ID: US 6812381 B2

L2: Entry 2 of 11

File: USPT

Nov 2, 2004

US-PAT-NO: 6812381

DOCUMENT-IDENTIFIER: US 6812381 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: DNA fragment having promoter function

DATE-ISSUED: November 2, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Uchimiya; Hirofumi

Kanagawa

JP

Arai; Satoshi	Saitama	JP
Fushimi; Takaomi	Saitama	JP
Tagawa; Michito	Saitama	JP
Fukuzawa; Hiromitsu	Saitama	JP

US-CL-CURRENT: 800/287; 435/252.3, 435/320.1, 435/419, 536/24.1, 800/298

## ABSTRACT:

DNA derived from a gene encoding rice adenylate kinase which has a promoter function in a plant. A vector containing the DNA having a promoter function. A bacterium containing the vector, a plant cell transformed with the vector, and a plant regenerated from the plant cell and its seed.

The DNA having a promoter function can be ligated with a structural gene such as a reporter gene and integrated into a vector such as an expression vector. When the DNA having a promoter function is ligated to a vector together with a structural gene encoding a protein and transformed into a host cell, the structural gene is expressed. Further, the expression of a desired gene can be regulated by ligating the desired gene under the control of the DNA fragment.

12 Claims, 1 Drawing figures

Exemplary Claim Number: 1,4

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 3. Document ID: US 6759526 B2

L2: Entry 3 of 11

File: USPT

Jul 6, 2004

US-PAT-NO: 6759526

DOCUMENT-IDENTIFIER: US 6759526 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: DNA fragment having promoter function

DATE-ISSUED: July 6, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uchimiya; Hirofumi	Kawasaki			JP
Fukuzawa; Hiromitsu	Saitama			JP
Tagawa; Michito	Saitama			JP

US-CL-CURRENT: 536/23.1; 435/320.1, 435/419, 800/278

## ABSTRACT:

This invention provides a DNA fragment having a promoter function capable of expressing a structural gene which can be expressed in a plant, and discloses a DNA fragment having a promoter function in a plant which is originated from a gene

encoding a rice metallothionein as shown by SEQ ID NO: 1, a vector comprising the DNA having the promoter function, a plant cell transformed by the vector; and a regenerated plant and seeds obtainable from the plant cells.

14 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 6555655 B1

L2: Entry 4 of 11

File: USPT

Apr 29, 2003

US-PAT-NO: 6555655

DOCUMENT-IDENTIFIER: US 6555655 B1

TITLE: Coleopteran-toxic polypeptide compositions and insect-resistant transgenic plants

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rupar; Mark J.	Wilmington	DE		
Donovan; William P.	Levittown	PA		
Chu; Chih-Rei	Exton	PA		
Pease; Elizabeth	Danville	PA		
Tan; Yuping	Fremont	CA		
Slaney; Annette C.	Burlington	NJ		
Malvar; Thomas M.	Troy	MO		
Baum; James A.	Webster Groves	MO		

US-CL-CURRENT: 530/350; 536/23.71

ABSTRACT:

Disclosed are novel insecticidal polypeptides, and compositions comprising these polypeptides, peptide fragments thereof, and antibodies specific therefor. Also disclosed are vectors, transformed host cells, and transgenic plants that contain nucleic acid segments that encode the disclosed  $\delta$ -endotoxin polypeptides. Also disclosed are methods of identifying related polypeptides and polynucleotides, methods of making and using transgenic cells comprising these polynucleotide sequences, as well as methods for controlling an insect population, such as Colorado potato beetle, southern corn rootworm and western corn rootworm, and for conferring to a plant resistance to a target insect species.

12 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 5. Document ID: US 6476212 B1

L2: Entry 5 of 11

File: USPT

Nov 5, 2002

US-PAT-NO: 6476212

DOCUMENT-IDENTIFIER: US 6476212 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Polynucleotides and polypeptides derived from corn ear

DATE-ISSUED: November 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lalgudi; Raghunath V.	Clayton	MO		
Ito; Laura Y.	Pleasanton	CA		
Sherman; Bradley K.	Oakland	CA		

US-CL-CURRENT: 536/23.6; 435/6, 536/24.3

## ABSTRACT:

The present invention provides purified, corn ear-derived polynucleotides (cdps) which encode corn ear-derived polypeptides (CDPs). The invention also provides for the use of cdps or their complements, oligonucleotides, or fragments in methods for determining altered gene expression, to recover regulatory elements, and to follow inheritance of desirable characteristics through hybrid breeding programs. The invention further provides for vectors and host cells containing cdps for the expression of CDPs. The invention additionally provides for (i) use of isolated and purified CDPs to induce antibodies and to screen libraries of compounds and (ii) use of anti-CDP antibodies in diagnostic assays.

5 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Data
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☐ 6. Document ID: US 6468523 B1

L2: Entry 6 of 11

File: USPT

Oct 22, 2002

US-PAT-NO: 6468523

DOCUMENT-IDENTIFIER: US 6468523 B1

TITLE: Polypeptide compositions toxic to diabrotic insects, and methods of use

DATE-ISSUED: October 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Mettus; Anne-Marie Light                      Feasterville                      PA  
Baum; James A.                                   Doylestown                      PA

US-CL-CURRENT: 424/93.2; 424/93.461, 514/12, 514/2, 530/350, 530/825

ABSTRACT:

Disclosed is a novel Lepidopteran- and Coleopteran-active .delta.-endotoxin polypeptide, and compositions comprising the polypeptide, peptide fragments thereof, and antibodies specific therefor. Also disclosed are vectors, transformed host cells, and transgenic plants that comprise nucleic acid segments encoding the polypeptide. Also disclosed are methods of identifying related polypeptides and polynucleotides, methods of making and using transgenic cells comprising the novel sequences of the invention, as well as methods for controlling an insect population, such as the Western Corn Rootworm and Colorado potato beetle, and for conferring to a plant population resistance to the target insect species.

20 Claims, 1 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. D
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☐ 7. Document ID: US 6015891 A

L2: Entry 7 of 11

File: USPT

Jan 18, 2000

US-PAT-NO: 6015891

DOCUMENT-IDENTIFIER: US 6015891 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Synthetic insecticidal crystal protein gene having a modified frequency of codon usage

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adang; Michael J.	Athens	GA		
Murray; Elizabeth E.	Madison	WI		

US-CL-CURRENT: 536/23.71; 435/440, 435/468

ABSTRACT:

Synthetic Baccilus thuringiensis toxin genes designed to be expressed in plants at a level higher than naturally-occurring Bt genes are provided. These genes utilize codons preferred in highly expressed monocot or dicot proteins.

6 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 8. Document ID: US 6013523 A

L2: Entry 8 of 11

File: USPT

Jan 11, 2000

US-PAT-NO: 6013523

DOCUMENT-IDENTIFIER: US 6013523 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Transgenic plants comprising a synthetic insecticidal crystal protein gene having a modified frequency of codon usage

DATE-ISSUED: January 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adang; Michael J.	Madison	WI		
Murray; Elizabeth E.	Madison	WI		

US-CL-CURRENT: 435/419; 536/23.71

## ABSTRACT:

Synthetic Baccilus thuringiensis toxin genes designed to be expressed in plants at a level higher than naturally-occurring Bt genes are provided. These genes utilize codons preferred in highly expressed monocot or dicot proteins.

4 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 9. Document ID: US 5567862 A

L2: Entry 9 of 11

File: USPT

Oct 22, 1996

US-PAT-NO: 5567862

DOCUMENT-IDENTIFIER: US 5567862 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Synthetic insecticidal crystal protein gene

DATE-ISSUED: October 22, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adang; Michael J.	Madison	WI		

Rocheleau; Thomas A.	Madison	WI
Merlo; Donald J.	Madison	WI
Murray; Elizabeth E.	Madison	WI

US-CL-CURRENT: [800/302](#); [435/418](#), [435/468](#), [435/69.1](#)

## ABSTRACT:

Synthetic *Bacillus thuringiensis* toxin genes designed to be expressed in plants at a level higher than naturally-occurring Bt genes are provided. These genes utilize codons preferred in highly expressed monocot or dicot proteins.

24 Claims, 5 Drawing figures  
Exemplary Claim Number: 1,13  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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☐ 10. Document ID: US 5567600 A

L2: Entry 10 of 11

File: USPT

Oct 22, 1996

US-PAT-NO: 5567600

DOCUMENT-IDENTIFIER: US 5567600 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Synthetic insecticidal crystal protein gene

DATE-ISSUED: October 22, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adang; Michael J.	Athens	GA		
Rocheleau; Thomas A.	Madison	WI		
Merlo; Donald J.	Carmel	IN		
Murray; Elizabeth E.	Madison	WI		

US-CL-CURRENT: [536/23.71](#); [435/418](#), [435/468](#), [435/469](#), [435/470](#), [435/69.1](#), [800/279](#)

## ABSTRACT:

Synthetic *Bacillus thuringiensis* toxin genes designed to be expressed in plants at a level higher than naturally-occurring Bt genes are provided. These genes utilize codons preferred in highly expressed monocot or dicot proteins.

24 Claims, 5 Drawing figures  
Exemplary Claim Number: 1,13  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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☐ 11. Document ID: US 5380831 A

L2: Entry 11 of 11

File: USPT

Jan 10, 1995

US-PAT-NO: 5380831

DOCUMENT-IDENTIFIER: US 5380831 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Synthetic insecticidal crystal protein gene

DATE-ISSUED: January 10, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Adang; Michael J.	Madison	WI		
Rocheleau; Thomas A.	Madison	WI		
Merlo; Donald J.	Madison	WI		
Murray; Elizabeth E.	Madison	WI		

US-CL-CURRENT: 536/23.71; 435/69.1, 435/91.1, 435/91.5, 435/91.52

## ABSTRACT:

Synthetic *Bacillus thuringiensis* toxin genes designed to be expressed in plants at a level higher than naturally-occurring Bt genes are provided. These genes utilize codons preferred in highly expressed monocot or dicot proteins.

14 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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Terms	Documents
((e adj2 c adj2 2.3.1.74) or flavanone synthase or flavanone synthetase or chalcone synthase or chalcone synthetase or anthocyanidin synthase) same crystal\$9 and (alfalfa or sativa)	11

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**Search Results - Record(s) 1 through 5 of 5 returned.**

☐ 1. Document ID: US 20050288187 A1

**Using default format because multiple data bases are involved.**

L3: Entry 1 of 5

File: PGPB

Dec 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050288187

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050288187 A1

TITLE: Inhibitor development for 4-hydroxyphenylpyruvate dioxygenase, employing tyrosinemia 1 as a model for human diseases mediated by 2-oxoacid utilizing dioxygenases

PUBLICATION-DATE: December 29, 2005

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
Hanauske-Abel, Hartmut M.	Englewood Cliffs	NJ	US
Popowicz, Anthony	Farmingville	NY	US

US-CL-CURRENT: [504/254](#); [514/348](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw D</a>
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☐ 2. Document ID: US 20050278800 A1

L3: Entry 2 of 5

File: PGPB

Dec 15, 2005

PGPUB-DOCUMENT-NUMBER: 20050278800

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050278800 A1

TITLE: Compositions and methods for the modification of gene expression

PUBLICATION-DATE: December 15, 2005

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
Elton, Clare K.	Auckland		NZ
Hall, Claire	Auckland		NZ
Demmer, Jeroen	Auckland		NZ

US-CL-CURRENT: 800/278; 435/419, 435/468, 435/6, 536/23.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20040241799 A1

L3: Entry 3 of 5

File: PGPB

Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040241799

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040241799 A1

TITLE: Methods of directing C-O bond formation utilizing a type II polyketide synthase system

PUBLICATION-DATE: December 2, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Shen, Ben	Verona	WI	US
Kwon, Hyung-Jin	Austin	TX	US

US-CL-CURRENT: 435/69.1; 435/189, 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20040106175 A1

L3: Entry 4 of 5

File: PGPB

Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106175

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040106175 A1

TITLE: Methods of producing polyketide synthase mutants and compositions and uses thereof

PUBLICATION-DATE: June 3, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Noel, Joseph P.	San Diego	CA	US
Austin, Michael B	La Jolla	CA	US
Bowman, Marianne E	San Diego	CA	US

US-CL-CURRENT: 435/69.1; 435/193, 435/252.3, 435/320.1, 435/455, 435/471, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 5. Document ID: US 20040096955 A1

L3: Entry 5 of 5

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040096955

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040096955 A1

TITLE: Methods and compositions for determining isomerase enzymatic activity

PUBLICATION-DATE: May 20, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Noel, Joseph P	San Diego	CA	US
Jez, Joseph M	Kirkwood	MO	US
Bowman, Marianne E	San Diego	CA	US

US-CL-CURRENT: 435/233; 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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Terms

((e adj2 c adj2 2.3.1.74) or flavanone  
synthase or flavanone synthetase or chalcone  
synthase or chalcone synthetase or  
anthocyanidin synthase) same crystal\$9 and  
(alfalfa or sativa)

Documents

5

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